



MED-ENG®

A BRAND OF THE SAFARILAND GROUP



Trusted to Protect

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RADIO COMMUNICATION SYSTEM CEOTRONICS CT-DECT MULTI (M7)

Med-Eng strongly recommends use of the CeoTronics CT-DECT Multi (M7) Radio Communication system for use with its bomb suits. This model has been developed specifically for Explosive Ordnance Disposal (EOD) operations, to link the bomb technician with the command post.

This is a hands-free, full duplex system, meaning it offers simultaneous listening and speaking, and offers an operating range of up to 300m (984'), depending upon local geography such as clear line of sight vs operations inside concrete buildings.



CT-DECT MULTI (M7) RADIO SYSTEM

FEATURES & CAPABILITIES

Mechanical

Weight	~ 320g (with battery and clip) (~11.3oz)
Size (L/W/H)	~ 120 x 80 x 40mm (4.7 x 3.1 x 1.6in)

Radio Frequency Specifications

Transmitting Frequency	1880 MHz – 1900 MHz (1.88 GHz – 1.90 GHz) 1920 MHz – 1930 MHz (1.92 GHz – 1.93 GHz)
Access Mode	TDMA 24 slices/channel, duplex (semi-duplex possible)
Channel Spacing	1.728 MHz
Channels	10 channels (1.88 GHz - 1.90 GHz) 5 channels (1.92 GHz - 1.93 GHz) System selects channels automatically
Transmitting Power	1.88 GHz - 1.90 GHz Average: 10mW Peak: 240mW 1.92 GHz - 1.93 GHz Average: 5mW Peak: 120mW
Voice Modulation	32 kbps ADPCM
Data Transfer Rate	Max 1,152 Mbit/s
RF Modulation Method	GFSK
Receiver Sensitivity	-86 dBm
Range	~ 300m (984') for line-of-sight (LOS); ~ 30 – 50m (98' - 164') in buildings; ~ 70 – 100m (230' - 328') in built-up areas and wooded areas

INCLUDES

- USB Charger
- AAA Battery Adapter
- Li-Po VARTA Battery x 2
- CT-Action Neckband – ComLink
- Storm Case
- Compatible with Med-Eng EOD 10/10E/9/9A/9N Helmets

Electronics

Operating Temperature	~ -32 C to +69 C (-25 F to +156 F)
Min Storage Temperature	~ -40 C (-40 F)
Max Storage Temperature	~ +80 C (176 F)
Air Humidity	95% / 60 C (140F) 8 hours; 95% / 30 C (86 F) 16 hours
Vibration, Shock, Temperature, Humidity	conforms to MIL-STD-810-G
IP Rating	IP66 / 67
EN Standards	EN 301 406 – DECT EN 301 489-1 V1.4.1 – EMC EN 301 489-6 V1.2.1 – EMC EN 301 489-9 V1.3.1 – EMC EN 60950 – Electrical Safety EN 50360 – SAR EN 50361 – SAR EN 50371 – SAR
EU Certification	CE 2014/30/EU – EMC Directive CE 2014/53/EU – Radio Equipment Directive



CT-DECT Multi (M7)
Standard and Base



CT-Action
Neckband



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